AUTHOR INDEX

APPEL Stanley H. *see* DELBONO Osvaldo, GARCÍA Jesús, APPEL Stanley H. & STEFANI Enrico Calcium current and charge movement of mammalian muscle: action of amyotrophic lateral sclerosis immunoglobulins. 723

ARTALEJO Cristina R., MOGUL David J., PERLMAN Robert L. & FOX Aaron P. Three types of bovine chromaffin cell Ca^{2+} channels: facilitation increases the opening probability of a 27 pS channel. 213

ARYA T., BAJWA S. & EDGLEY S.A. Crossed reflex actions from group II muscle afferents in the lumbar spinal cord of the anaesthetized cat. 117

ATTWELL David *see* BOUVIER Muriel, MILLER Barbara A., SZATKOWSKI Marek & ATTWELL David Electrogenic uptake of sulphur-containing analogues of glutamate and aspartate by Müller cells from the salamander retina. 441

AZULAY Jean-Philippe *see* ROMAIGUÈRE Patricia, VEDEL Jean-Pierre, AZULAY Jean-Philippe & PAGNI Simone Differential activation of motor units in the wrist extensor muscles during the tonic vibration reflex in man. 645

BABU Árvind *see* GULATI Jagdish, SONNENBLICK Edmund & BABU Árvind Erratum: *Journal of Physiology* **441** (1991) 778

BAJWA S. *see* ARYA T., BAJWA S. & EDGLEY S.A. Crossed reflex actions from group II muscle afferents in the lumbar spinal cord of the anaesthetized cat. 117

BARISH Michael E. Voltage-gated calcium currents in cultured embryonic *Xenopus* spinal neurones. 523

BARISH Michael E. Increases in intracellular calcium ion concentration during depolarization of cultured embryonic *Xenopus* spinal neurones. 545

BASKYS A. & MALENKA R.C. Agonists at metabotropic glutamate receptors presynaptically inhibit EPSCs in neonatal rat hippocampus. 687

BAUER Anthony J. *see* STARK Mark E., BAUER Anthony J. & SZURSZEWSKI Joseph H. Effect of nitric oxide on circular muscle of the canine small intestine. 743

BERNABEU Fernando *see* LÓPEZ-FARRÉ Antonio, GÓMEZ-GARRE Dulcenombre, BERNABEU Fernando & LÓPEZ-NOVOA José M. A role for endothelin in the maintenance of post-ischaemic renal failure in the rat. 513

BLANK Marion A. *see* WAKADE Taruna D., BLANK Marion A., MALHOTRA Ravindra K., POURCHO Roberta & WAKADE Arun R. The peptide VIP is a neurotransmitter in rat adrenal medulla: physiological role in controlling catecholamine secretion. 349

BODINE-FOWLER Sue C. *see* PIEROTTI David J., ROY Roland R., BODINE-FOWLER Sue C., HODGSON John A. & EDGERTON V. Reggie Mechanical and morphological properties of chronically inactive cat tibialis anterior motor units. 175

BOUVIER Muriel, MILLER Barbara A., SZATKOWSKI Marek & ATTWELL David Electrogenic uptake of sulphur-containing analogues of glutamate and aspartate by Müller cells from the salamander retina. 441

BROWN P.D. *see* ELLIOTT A.C., LAU K.R. & BROWN P.D. The effects of Na^+ replacement on intracellular pH and $[Ca^{2+}]$ in rabbit salivary gland acinar cells. 419

BUCKLER K.J., VAUGHAN-JONES R.D., PEERS C., LAGADIC-GOSSMANN D. & NYE P.C.G. Effects of extracellular pH, P_{CO_2} and HCO_3^- on intracellular pH in isolated type-I cells of the neonatal rat carotid body. 703

BÜHRLE C.P. *see* NOBILING R., GABEL M., PERSSON P.B., DIETRICH M.S. & BÜHRLE C.P. Differential effect of neuropeptide-Y on membrane potential of cells in renal arterioles of the hydronephrotic mouse. 317

CARLEN P.L. *see* ZHANG L., SPIGELMAN I. & CARLEN P.L. Development of GABA-mediated, chloride-dependent inhibition in CA1 pyramidal neurones of immature rat hippocampal slices. 25

CHEN Wei & HUI Chiu Shuen Differential blockage of charge movement components in frog cut twitch fibres by nifedipine. 579

CLAY John R. A paradox concerning ion permeation of the delayed rectifier potassium ion channel in squid giant axons. 499

CLÉMENT Odile *see* PUCÉAT Michel, CLÉMENT Odile & VASSORT Guy Extracellular MgATP activates the Cl^-/HCO_3^- exchanger in single rat cardiac cells. 241

DAHLÉN H.G. *see* SJÖDIN L., DAHLÉN H.G. & GYLFE E. Calcium oscillations in guinea-pig pancreatic acinar cells exposed to carbachol, cholecystokinin and substance P. 763

DATTA A.K., SHEA S.A., HORNER R.L. & GUZ A. Erratum: *Journal of Physiology* **440** (1991) 778

DELBONO Osvaldo, GARCÍA Jesús, APPEL Stanley H. & STEFANI Enrico Calcium current and charge movement of mammalian muscle: action of amyotrophic lateral sclerosis immunoglobulins. 723

DIETRICH M.S. *see* PERSSON P.B., EHMKE H., NAFZ B., LANG R., HACKENTHAL E., NOBILING R., DIETRICH M.S. & KIRCHHEIM H.R. Effects of neuropeptide-Y on renal function and its interaction with sympathetic stimulation in conscious dogs. 289

DIETRICH M.S., FRETSCHNER M., NOBILING R., PERSSON P.B. & STEINHAUSEN M. Renovascular effects of neuropeptide-Y in the split hydronephrotic rat kidney: non-uniform pattern of vascular reactivity. 303

DIETRICH M.S. *see* NOBILING R., GABEL M., PERSSON P.B., DIETRICH M.S. & BÜHRLE C.P. Differential effect of neuropeptide-Y on membrane potential of cells in renal arterioles of the hydronephrotic mouse. 317

DUDEK F. Edward *see* KIM Yang In & DUDEK F. Edward Intracellular electrophysiological study of suprachiasmatic nucleus neurons in rodents: excitatory synaptic mechanisms. 269

EDGERTON V. Reggie *see* PIEROTTI David J., ROY Roland R., BODINE-FOWLER Sue C., HODGSON John A. & EDGERTON V. Reggie Mechanical and morphological properties of chronically inactive cat tibialis anterior motor units. 175

EDGLEY S.A. *see* ARYA T., BAJWA S. & EDGLEY S.A. Crossed reflex actions from group II muscle afferents in the lumbar spinal cord of the anaesthetized cat. 117

EDWARDS A.V. *see* JONES C.T. & EDWARDS A.V. Muscarinic adrenal responses to acetylcholine in conscious calves. 605

EHMKE H. *see* PERSSON P.B., EHMKE H., NAFZ B., LANG R., HACKENTHAL E., NOBILING R., DIETRICH M.S. & KIRCHHEIM H.R. Effects of neuropeptide-Y on renal function and its interaction with sympathetic stimulation in conscious dogs. 289

ELLIOTT A.C., LAU K.R. & BROWN P.D. The effects of Na^+ replacement on intracellular pH and $[Ca^{2+}]$ in rabbit salivary gland acinar cells. 419

EMSON Piers C. *see* HAMAMURA Mitsuko, LENG Gareth, EMSON Piers C. & KIYAMA Hiroshi Electrical activation and c-fos mRNA expression in rat neurosecretory neurones after systemic administration of cholecystokinin. 51

FELLOWS S.J. *see* THILMANN A.F., SCHWARZ M., TÖPPER R., FELLOWS S.J. & NOTH J. Different mechanisms underlie the long-latency stretch reflex response of active human muscle at different joints. 631

FOX Aaron P. *see* ARTALEJO Cristina R., MOGUL David J., PERLMAN Robert L. & FOX Aaron P. Three types of bovine chromaffin cell Ca^{2+} channels: facilitation increases the opening probability of a 27 pS channel. 213

FRETSCHNER M. *see* DIETRICH M.S., FRETSCHNER M., NOBILING R., PERSSON P.B. & STEINHAUSEN M. Renovascular effects of neuropeptide-Y in the split hydronephrotic rat kidney: non-uniform pattern of vascular reactivity. 303

GABEL M. *see* NOBILING R., GABEL M., PERSSON P.B., DIETRICH M.S. & BÜHRLE C.P. Differential effect of neuropeptide-Y on membrane potential of cells in renal arterioles of the hydronephrotic mouse. 317

GÄHWILER Beat H. *see* SCANZIANI Massimo, GÄHWILER Beat H. & THOMPSON Scott M. Paroxysmal inhibitory potentials mediated by $GABA_B$ receptors in partially disinhibited rat hippocampal slice cultures. 375

GARCÍA Jesús *see* DELBONO Osvaldo, GARCÍA Jesús, APPEL Stanley H. & STEFANI Enrico Calcium current and charge movement of mammalian muscle: action of amyotrophic lateral sclerosis immunoglobulins. 723

GÓMEZ-GARRE Dulcenombre *see* LÓPEZ-FARRÉ Antonio, GÓMEZ-GARRE Dulcenombre, BERNABEU Fernando & LÓPEZ-NOVOA José M. A role for endothelin in the maintenance of post-ischaemic renal failure in the rat. 513

GULATI Jagdish, SONNENBLICK Edmund & BABU Árvind Erratum: *Journal of Physiology* **441** (1991) 778

GUZ A. *see* DATTA A.K., SHEA S.A., HORNER R.L. & GUZ A. Erratum: *Journal of Physiology* **440** (1991) 778

GYLFE E. *see* SJÖDIN L., DAHLÉN H.G. & GYLFE E. Calcium oscillations in guinea-pig pancreatic acinar cells exposed to carbachol, cholecystokinin and substance P. 763

HACKENTHAL E. *see* PERSSON P.B., EHMKE H., NAFZ B., LANG R., HACKENTHAL E., NOBILING R., DIETRICH M.S. & KIRCHHEIM H.R. Effects of neuropeptide-Y on renal function and its interaction with sympathetic stimulation in conscious dogs. 289

HADLEY Robert W. & LEDERER W.J. Ca^{2+} and voltage inactivate Ca^{2+} channels in guinea-pig ventricular myocytes through independent mechanisms. 257

HAMAMURA Mitsuko, LENG Gareth, EMSON Piers C. & KIYAMA Hiroshi Electrical activation and c-fos mRNA expression in rat neurosecretory neurones after systemic administration of cholecystokinin. 51

HARDING Sian E. *see* MACLEOD Kenneth T. & HARDING Sian E. Effects of phorbol ester on contraction, intracellular pH and intracellular Ca^{2+} in isolated mammalian ventricular myocytes. 481

HARVEY John A. *see* WELSH John P. & HARVEY John A. Pavlovian conditioning in the rabbit during inactivation of the interpositus nucleus. 459

HEMSWORTH P.D. *see* WHALLEY D.W., HEMSWORTH P.D. & RASMUSSEN H.H. Sodium–hydrogen exchange in guinea-pig ventricular muscle during exposure to hyperosmolar solutions. 193

HO Lam T. *see* ZOCHODNE Douglas W. & HO Lam T. Influence of perivascular peptides on endoneurial blood flow and microvascular resistance in the sciatic nerve of the rat. 615

HODGSON John A. *see* PIEROTTI David J., ROY Roland R., BODINE-FOWLER Sue C., HODGSON John A. & EDGERTON V. Reggie Mechanical and morphological properties of chronically inactive cat tibialis anterior motor units. 175

HORNER R.L. *see* DATTA A.K., SHEA S.A., HORNER R.L. & GUZ A. Erratum: *Journal of Physiology* **440** (1991) 778

HUDLICKA Olga What makes blood vessels grow? 1

HUI Chiu Shuen *see* CHEN Wei & HUI Chiu Shuen Differential blockage of charge movement components in frog cut twitch fibres by nifedipine. 579

HUSZCZUK Andrew *see* RAUSCH Susan M., WHIPP Brian J., WASSERMAN Karlman & HUSZCZUK Andrew Role of the carotid bodies in the respiratory compensation for the metabolic acidosis of exercise in humans. 567

JONES C.T. & EDWARDS A.V. Muscarinic adrenal responses to acetylcholine in conscious calves. 605

JONES H.E. & SILLITO A.M. The length–response properties of cells in the feline dorsal lateral geniculate nucleus. 329

KAJIOKA Shunichi, KITAMURA Kenji & KURIYAMA Hirosi Guanosine diphosphate activates an adenosine-5′-triphosphate-sensitive K^+ channel in the rabbit portal vein. 397

KIM Yang In & DUDEK F. Edward Intracellular electrophysiological study of suprachiasmatic nucleus neurons in rodents: excitatory synaptic mechanisms. 269

KIRCHHEIM H.R. *see* PERSSON P.B., EHMKE H., NAFZ B., LANG R., HACKENTHAL E., NOBILING R., DIETRICH M.S. & KIRCHHEIM H.R. Effects of neuropeptide-Y on renal function and its interaction with sympathetic stimulation in conscious dogs. 289

KITAMURA Kenji *see* KAJIOKA Shunichi, KITAMURA Kenji & KURIYAMA Hirosi Guanosine diphosphate activates an adenosine-5′-triphosphate-sensitive K^+ channel in the rabbit portal vein. 397

KIYAMA Hiroshi *see* HAMAMURA Mitsuko, LENG Gareth, EMSON Piers C. & KIYAMA Hiroshi Electrical activation and c-fos mRNA expression in rat neurosecretory neurones after systemic administration of cholecystokinin. 51

KURIYAMA Hirosi *see* KAJIOKA Shunichi, KITAMURA Kenji & KURIYAMA Hirosi Guanosine diphosphate activates an adenosine-5′-triphosphate-sensitive K^+ channel in the rabbit portal vein. 397

LAGADIC-GOSSMANN D. *see* BUCKLER K.J., VAUGHAN-JONES R.D., PEERS C., LAGADIC-GOSSMANN D. & NYE P.C.G. Effects of extracellular pH, P_{CO_2} and HCO_3^- on intracellular pH in isolated type-I cells of the neonatal rat carotid body. 703

LAMB G.D. & STEPHENSON D.G. Excitation–contraction coupling in skeletal muscle fibres of rat and toad in the presence of GTPγS. 65

LANG R. *see* PERSSON P.B., EHMKE H., NAFZ B., LANG R., HACKENTHAL E., NOBILING R., DIETRICH M.S. & KIRCHHEIM H.R. Effects of neuropeptide-Y on renal function and its interaction with sympathetic stimulation in conscious dogs. 289

LAU K.R. *see* ELLIOTT A.C., LAU K.R. & BROWN P.D. The effects of Na^+ replacement on intracellular pH and $[Ca^{2+}]$ in rabbit salivary gland acinar cells. 419

LEDERER W.J. *see* HADLEY Robert W. & LEDERER W.J. Ca^{2+} and voltage inactivate Ca^{2+} channels in guinea-pig ventricular myocytes through independent mechanisms. 257

LENG Gareth *see* HAMAMURA Mitsuko, LENG Gareth, EMSON Piers C. & KIYAMA Hiroshi Electrical activation and c-fos mRNA expression in rat neurosecretory neurones after systemic administration of cholecystokinin. 51

LOESCHER A.R. & ROBINSON P.P. Properties of periodontal mechanoreceptors supplying the cat's lower canine at short and long periods after reinnervation. 85

LONG Nancy C., MORIMOTO Akio, NAKAMORI Tomoki, YAMASHIRO Osamu & MURAKAMI Naotoshi Intraperitoneal injections of prostaglandin E_2 attenuate hyperthermia induced by restraint or interleukin-1 in rats. 363

LÓPEZ-FARRÉ Antonio, GÓMEZ-GARRE Dulcenombre, BERNABEU Fernando & LÓPEZ-NOVOA José M. A role for endothelin in the maintenance of post-ischaemic renal failure in the rat. 513

LÓPEZ-NOVOA José M. *see* LÓPEZ-FARRÉ Antonio, GÓMEZ-GARRE Dulcenombre, BERNABEU Fernando & LÓPEZ-NOVOA José M. A role for endothelin in the maintenance of post-ischaemic renal failure in the rat. 513

MACLEOD Kenneth T. & HARDING Sian E. Effects of phorbol ester on contraction, intracellular pH and intracellular Ca^{2+} in isolated mammalian ventricular myocytes. 481

MALENKA R.C. *see* BASKYS A. & MALENKA R.C. Agonists at metabotropic glutamate receptors presynaptically inhibit EPSCs in neonatal rat hippocampus. 687

MALHOTRA Ravindra K. *see* WAKADE Taruna D., BLANK Marion A., MALHOTRA Ravindra K., POURCHO Roberta & WAKADE Arun R. The peptide VIP is a neurotransmitter in rat adrenal medulla: physiological role in controlling catecholamine secretion. 349

MARSHALL I.G. *see* SEARL T., PRIOR C. & MARSHALL I.G. Acetylcholine recycling and release at rat motor nerve terminals studied using (−)-vesamicol and troxypyrrolium 99

MILLER Barbara A. *see* BOUVIER Muriel, MILLER Barbara A., SZATKOWSKI Marek & ATTWELL David Electrogenic uptake of sulphur-containing analogues of glutamate and aspartate by Müller cells from the salamander retina. 441

MILLER Richard J. *see* SCHOLZ Kenneth P. & MILLER Richard J. $GABA_B$ receptor-mediated inhibition of Ca^{2+} currents and synaptic transmission in cultured rat hippocampal neurones. 669

MOGUL David J. *see* ARTALEJO Cristina R., MOGUL David J., PERLMAN Robert L. & FOX Aaron P. Three types of bovine chromaffin cell Ca^{2+} channels: facilitation increases the opening probability of a 27 pS channel. 213

MORIMOTO Akio *see* LONG Nancy C., MORIMOTO Akio, NAKAMORI Tomoki, YAMASHIRO Osamu & MURAKAMI Naotoshi Intraperitoneal injections of prostaglandin E_2 attenuate hyperthermia induced by restraint or interleukin-1 in rats. 363

MURAKAMI Naotoshi *see* LONG Nancy C., MORIMOTO Akio, NAKAMORI Tomoki, YAMASHIRO Osamu & MURAKAMI Naotoshi Intraperitoneal injections of prostaglandin E_2 attenuate hyperthermia induced by restraint or interleukin-1 in rats. 363

NAFZ B. *see* PERSSON P.B., EHMKE H., NAFZ B., LANG R., HACKENTHAL E., NOBILING R., DIETRICH M.S. & KIRCHHEIM H.R. Effects of neuropeptide-Y on renal function and its interaction with sympathetic stimulation in conscious dogs. 289

NAKAMORI Tomoki *see* LONG Nancy C., MORIMOTO Akio, NAKAMORI Tomoki, YAMASHIRO Osamu & MURAKAMI Naotoshi Intraperitoneal injections of prostaglandin E_2 attenuate hyperthermia induced by restraint or interleukin-1 in rats. 363

NOBILING R. *see* PERSSON P.B., EHMKE H., NAFZ B., LANG R., HACKENTHAL E., NOBILING R., DIETRICH M.S. & KIRCHHEIM H.R. Effects of neuropeptide-Y on renal function and its interaction with sympathetic stimulation in conscious dogs. 289

NOBILING R. *see* DIETRICH M.S., FRETSCHNER M., NOBILING R., PERSSON P.B. & STEINHAUSEN M. Renovascular effects of neuropeptide-Y in the split hydronephrotic rat kidney: non-uniform pattern of vascular reactivity. 303

NOBILING R., GABEL M., PERSSON P.B., DIETRICH M.S. & BÜHRLE C.P. Differential effect of neuropeptide-Y on membrane potential of cells in renal arterioles of the hydronephrotic mouse. 317

NORDIN Magnus Erratum: *Journal of Physiology* **426** (1990) 777

NOTH J. *see* THILMANN A.F., SCHWARZ M., TÖPPER R., FELLOWS S.J. & NOTH J. Different mechanisms underlie the long-latency stretch reflex response of active human muscle at different joints. 631

NYE P.C.G. *see* BUCKLER K.J., VAUGHAN-JONES R.D., PEERS C., LAGADIC-GOSSMANN D. & NYE P.C.G. Effects of extracellular pH, P_{CO_2} and HCO_3^- on intracellular pH in isolated type-I cells of the neonatal rat carotid body. 703

PAGNI Simone *see* ROMAIGUÈRE Patricia, VEDEL Jean-Pierre, AZULAY Jean-Philippe & PAGNI Simone Differential activation of motor units in the wrist extensor muscles during the tonic vibration reflex in man. 645

PEERS C. *see* BUCKLER K.J., VAUGHAN-JONES R.D., PEERS C., LAGADIC-GOSSMANN D. & NYE P.C.G. Effects of extracellular pH, P_{CO_2} and HCO_3^- on intracellular pH in isolated type-I cells of the neonatal rat carotid body. 703

PERLMAN Robert L. *see* ARTALEJO Cristina R., MOGUL David J., PERLMAN Robert L. & FOX Aaron P. Three types of bovine chromaffin cell Ca^{2+} channels: facilitation increases the opening probability of a 27 pS channel. 213

PERSSON P.B., EHMKE H., NAFZ B., LANG R., HACKENTHAL E., NOBILING R., DIETRICH M.S. & KIRCHHEIM H.R. Effects of neuropeptide-Y on renal function and its interaction with sympathetic stimulation in conscious dogs. 289

PERSSON P.B. *see* DIETRICH M.S., FRETSCHNER M., NOBILING R., PERSSON P.B. & STEINHAUSEN M. Renovascular effects of neuropeptide-Y in the split hydronephrotic rat kidney: non-uniform pattern of vascular reactivity. 303

PERSSON P.B. *see* NOBILING R., GABEL M., PERSSON P.B., DIETRICH M.S. & BÜHRLE C.P. Differential effect of neuropeptide-Y on membrane potential of cells in renal arterioles of the hydronephrotic mouse. 317

PIEROTTI David J., ROY Roland R., BODINE-FOWLER Sue C., HODGSON John A. & EDGERTON V. Reggie Mechanical and morphological properties of chronically inactive cat tibialis anterior motor units. 175

POURCHO Roberta *see* WAKADE Taruna D., BLANK Marion A., MALHOTRA Ravindra K., POURCHO Roberta & WAKADE Arun R. The peptide VIP is a neurotransmitter in rat adrenal medulla: physiological role in controlling catecholamine secretion. 349

PRIOR C. *see* SEARL T., PRIOR C. & MARSHALL I.G. Acetylcholine recycling and release at rat motor nerve terminals studied using (−)-vesamicol and troxypyrrolium 99

PUCÉAT Michel, CLÉMENT Odile & VASSORT Guy Extracellular MgATP activates the Cl^-/HCO_3^- exchanger in single rat cardiac cells. 241

RASMUSSEN H.H. *see* WHALLEY D.W., HEMSWORTH P.D. & RASMUSSEN H.H. Sodium–hydrogen exchange in guinea-pig ventricular muscle during exposure to hyperosmolar solutions. 193

RAUSCH Susan M., WHIPP Brian J., WASSERMAN Karlman & HUSZCZUK Andrew Role of the carotid bodies in the respiratory compensation for the metabolic acidosis of exercise in humans. 567

ROBINSON P.P. *see* LOESCHER A.R. & ROBINSON P.P. Properties of periodontal mechanoreceptors supplying the cat's lower canine at short and long periods after reinnervation. 85

ROMAIGUÈRE Patricia, VEDEL Jean-Pierre, AZULAY Jean-Philippe & PAGNI Simone Differential activation of motor units in the wrist extensor muscles during the tonic vibration reflex in man. 645

ROY Roland R. *see* PIEROTTI David J., ROY Roland R., BODINE-FOWLER Sue C., HODGSON John A. & EDGERTON V. Reggie Mechanical and morphological properties of chronically inactive cat tibialis anterior motor units. 175

SCANZIANI Massimo, GÄHWILER Beat H. & THOMPSON Scott M. Paroxysmal inhibitory potentials mediated by $GABA_B$ receptors in partially disinhibited rat hippocampal slice cultures. 375

SCHOLZ Kenneth P. & MILLER Richard J. $GABA_B$ receptor-mediated inhibition of Ca^{2+} currents and synaptic transmission in cultured rat hippocampal neurones. 669

SCHWARZ M. *see* THILMANN A.F., SCHWARZ M., TÖPPER R., FELLOWS S.J. & NOTH J. Different mechanisms underlie the long-latency stretch reflex response of active human muscle at different joints. 631

SEARL T., PRIOR C. & MARSHALL I.G. Acetylcholine recycling and release at rat motor nerve terminals studied using (−)-vesamicol and troxypyrrolium 99

SHEA S.A. *see* DATTA A.K., SHEA S.A., HORNER R.L. & GUZ A. Erratum: *Journal of Physiology* **440** (1991) 778

SILLITO A.M. *see* JONES H.E. & SILLITO A.M. The length–response properties of cells in the feline dorsal lateral geniculate nucleus. 329

SJÖDIN L., DAHLÉN H.G. & GYLFE E. Calcium oscillations in guinea-pig pancreatic acinar cells exposed to carbachol, cholecystokinin and substance P. 763

SONNENBLICK Edmund *see* GULATI Jagdish, SONNENBLICK Edmund & BABU Árvind Erratum: *Journal of Physiology* **441** (1991) 778

SPIGELMAN I. *see* ZHANG L., SPIGELMAN I. & CARLEN P.L. Development of GABA-mediated, chloride-dependent inhibition in CA1 pyramidal neurones of immature rat hippocampal slices. 25

STARK Mark E., BAUER Anthony J. & SZURSZEWSKI Joseph H. Effect of nitric oxide on circular muscle of the canine small intestine. 743

STEFANI Enrico *see* DELBONO Osvaldo, GARCÍA Jesús, APPEL Stanley H. & STEFANI Enrico Calcium current and charge movement of mammalian muscle: action of amyotrophic lateral sclerosis immunoglobulins. 723

STEINHAUSEN M. *see* DIETRICH M.S., FRETSCHNER M., NOBILING R., PERSSON P.B. & STEINHAUSEN M. Renovascular effects of neuropeptide-Y in the split hydronephrotic rat kidney: non-uniform pattern of vascular reactivity. 303

STEPHENSON D.G. *see* LAMB G.D. & STEPHENSON D.G. Excitation–contraction coupling in skeletal muscle fibres of rat and toad in the presence of GTPγS. 65

SZATKOWSKI Marek *see* BOUVIER Muriel, MILLER Barbara A., SZATKOWSKI Marek & ATTWELL David Electrogenic uptake of sulphur-containing analogues of glutamate and aspartate by Müller cells from the salamander retina. 441

SZURSZEWSKI Joseph H. *see* STARK Mark E., BAUER Anthony J. & SZURSZEWSKI Joseph H. Effect of nitric oxide on circular muscle of the canine small intestine. 743

THILMANN A.F., SCHWARZ M., TÖPPER R., FELLOWS S.J. & NOTH J. Different mechanisms underlie the long-latency stretch reflex response of active human muscle at different joints. 631

THOMPSON Scott M. *see* SCANZIANI Massimo, GÄHWILER Beat H. & THOMPSON Scott M. Paroxysmal inhibitory potentials mediated by $GABA_B$ receptors in partially disinhibited rat hippocampal slice cultures. 375

TÖPPER R. *see* THILMANN A.F., SCHWARZ M., TÖPPER R., FELLOWS S.J. & NOTH J. Different mechanisms underlie the long-latency stretch reflex response of active human muscle at different joints. 631

VASSORT Guy *see* PUCÉAT Michel, CLÉMENT Odile & VASSORT Guy Extracellular MgATP activates the Cl^-/HCO_3^- exchanger in single rat cardiac cells. 241

VAUGHAN-JONES R.D. *see* BUCKLER K.J., VAUGHAN-JONES R.D., PEERS C., LAGADIC-GOSSMANN D. & NYE P.C.G. Effects of extracellular pH, P_{CO_2} and HCO_3^- on intracellular pH in isolated type-I cells of the neonatal rat carotid body. 703

VEDEL Jean-Pierre *see* ROMAIGUÈRE Patricia, VEDEL Jean-Pierre, AZULAY Jean-Philippe & PAGNI Simone Differential activation of motor units in the wrist extensor muscles during the tonic vibration reflex in man. 645

WAKADE Arun R. *see* WAKADE Taruna D., BLANK Marion A., MALHOTRA Ravindra K., POURCHO Roberta & WAKADE Arun R. The peptide VIP is a neurotransmitter in rat adrenal medulla: physiological role in controlling catecholamine secretion. 349

WAKADE Taruna D., BLANK Marion A., MALHOTRA Ravindra K., POURCHO Roberta & WAKADE Arun R. The peptide VIP is a neurotransmitter in rat adrenal medulla: physiological role in controlling catecholamine secretion. 349

WASSERMAN Karlman *see* RAUSCH Susan M., WHIPP Brian J., WASSERMAN Karlman & HUSZCZUK Andrew Role of the carotid bodies in the respiratory compensation for the metabolic acidosis of exercise in humans. 567

WELSH John P. & HARVEY John A. Pavlovian conditioning in the rabbit during inactivation of the interpositus nucleus. 459

WHALLEY D.W., HEMSWORTH P.D. & RASMUSSEN H.H. Sodium–hydrogen exchange in guinea-pig ventricular muscle during exposure to hyperosmolar solutions. 193

WHIPP Brian J. *see* RAUSCH Susan M., WHIPP Brian J., WASSERMAN Karlman & HUSZCZUK Andrew Role of the carotid bodies in the respiratory compensation for the metabolic acidosis of exercise in humans. 567

YAMASHIRO Osamu *see* LONG Nancy C., MORIMOTO Akio, NAKAMORI Tomoki, YAMASHIRO Osamu & MURAKAMI Naotoshi Intraperitoneal injections of prostaglandin E_2 attenuate hyperthermia induced by restraint or interleukin-1 in rats. 363

ZEUTHEN T. Water permeability of ventricular cell membrane in choroid plexus epithelium from *Necturus maculosus* 133

ZEUTHEN T. Secondary active transport of water across ventricular cell membrane of choroid plexus epithelium of *Necturus maculosus*. 153

ZHANG L., SPIGELMAN I. & CARLEN P.L. Development of GABA-mediated, chloride-dependent inhibition in CA1 pyramidal neurones of immature rat hippocampal slices. 25

ZOCHODNE Douglas W. & HO Lam T. Influence of perivascular peptides on endoneurial blood flow and microvascular resistance in the sciatic nerve of the rat. 615